

FIG 1

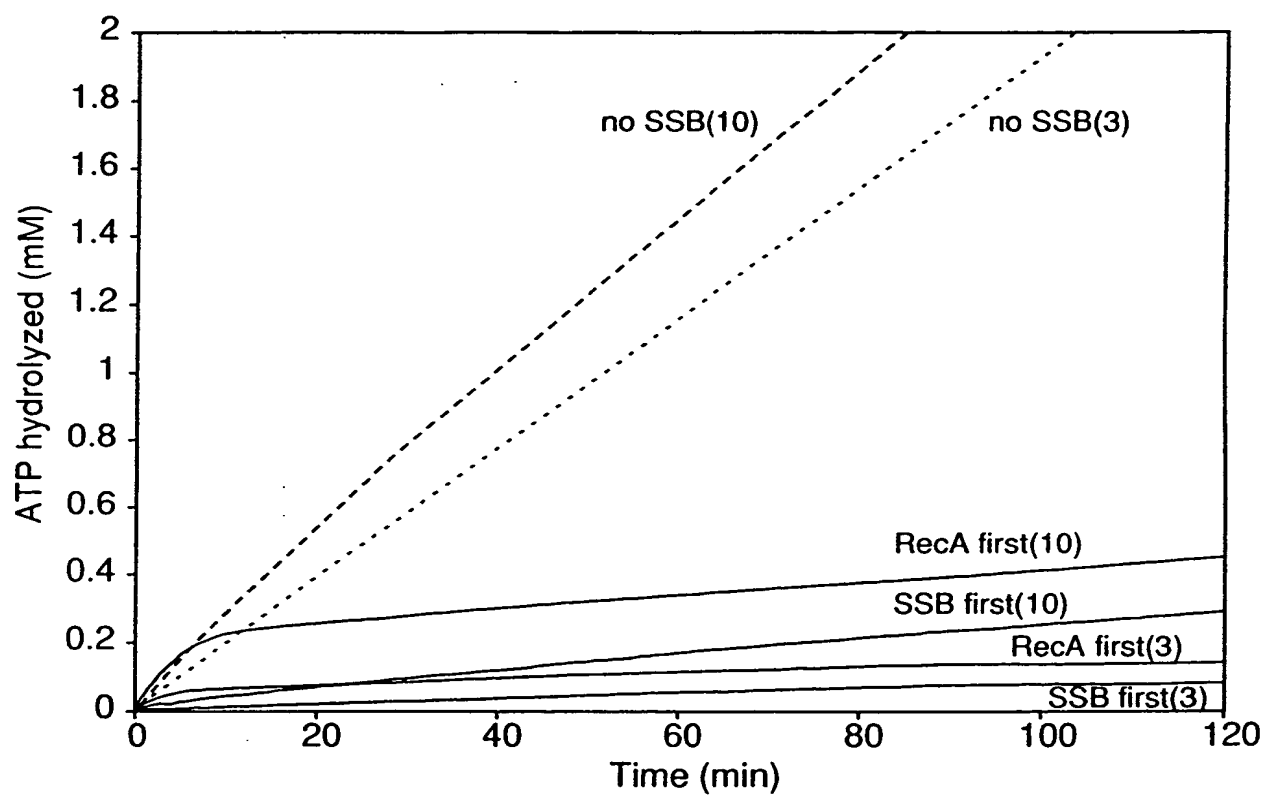
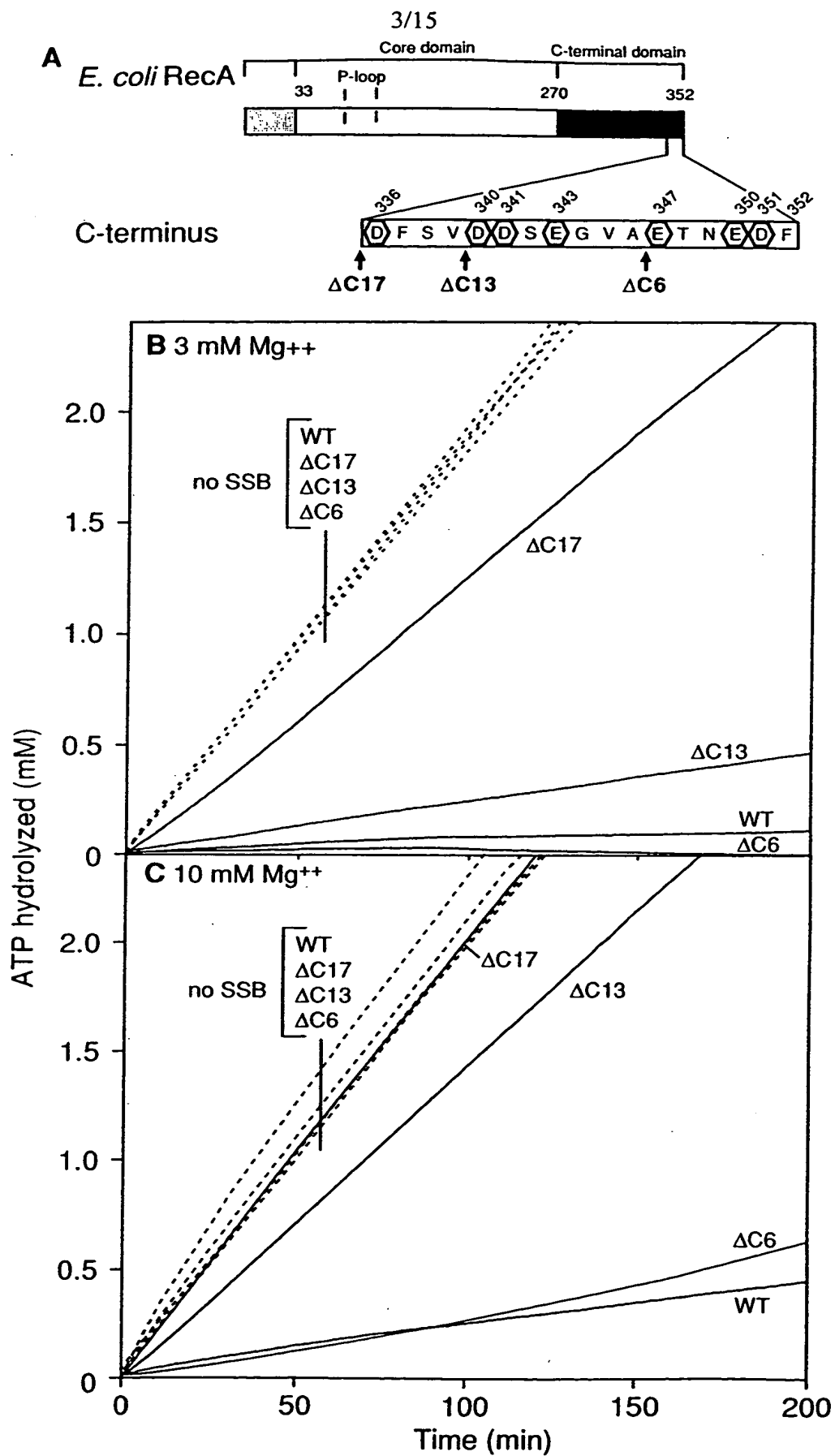


FIG 2



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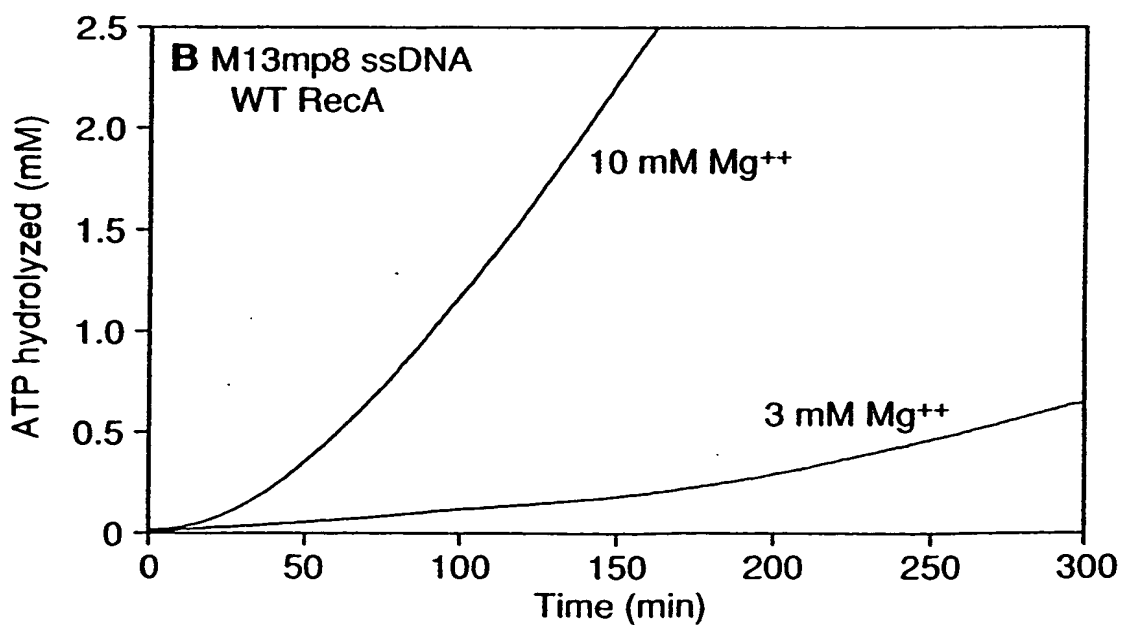
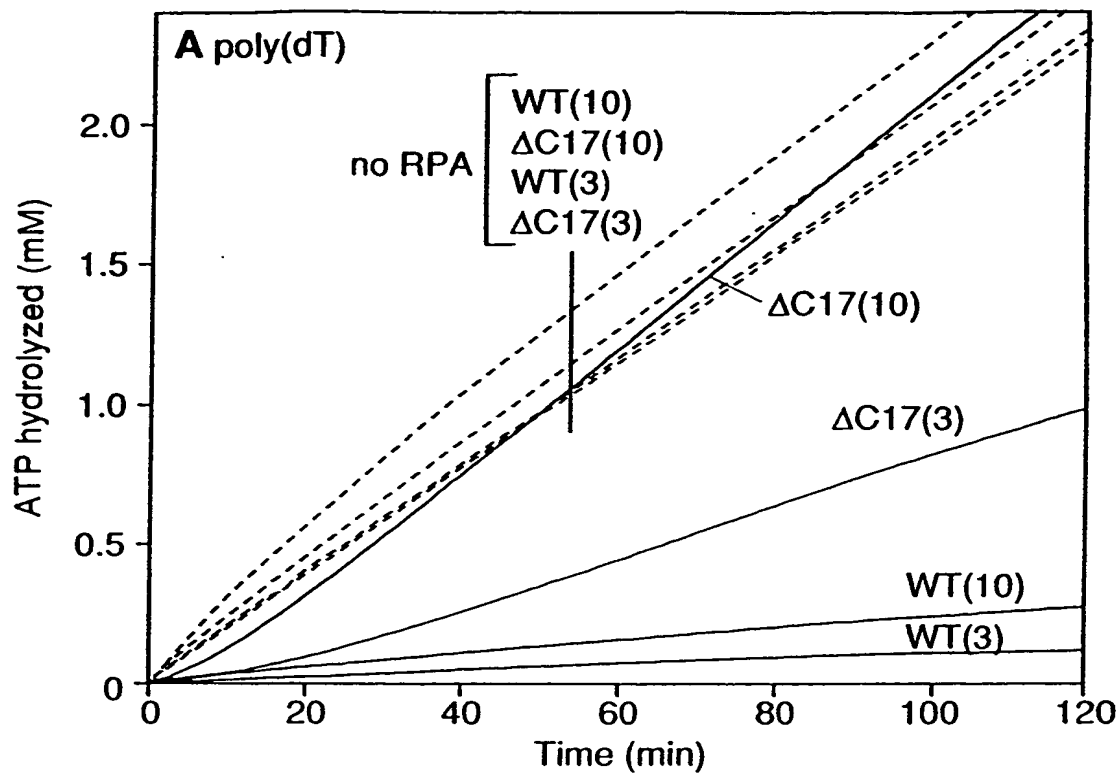


FIG 4

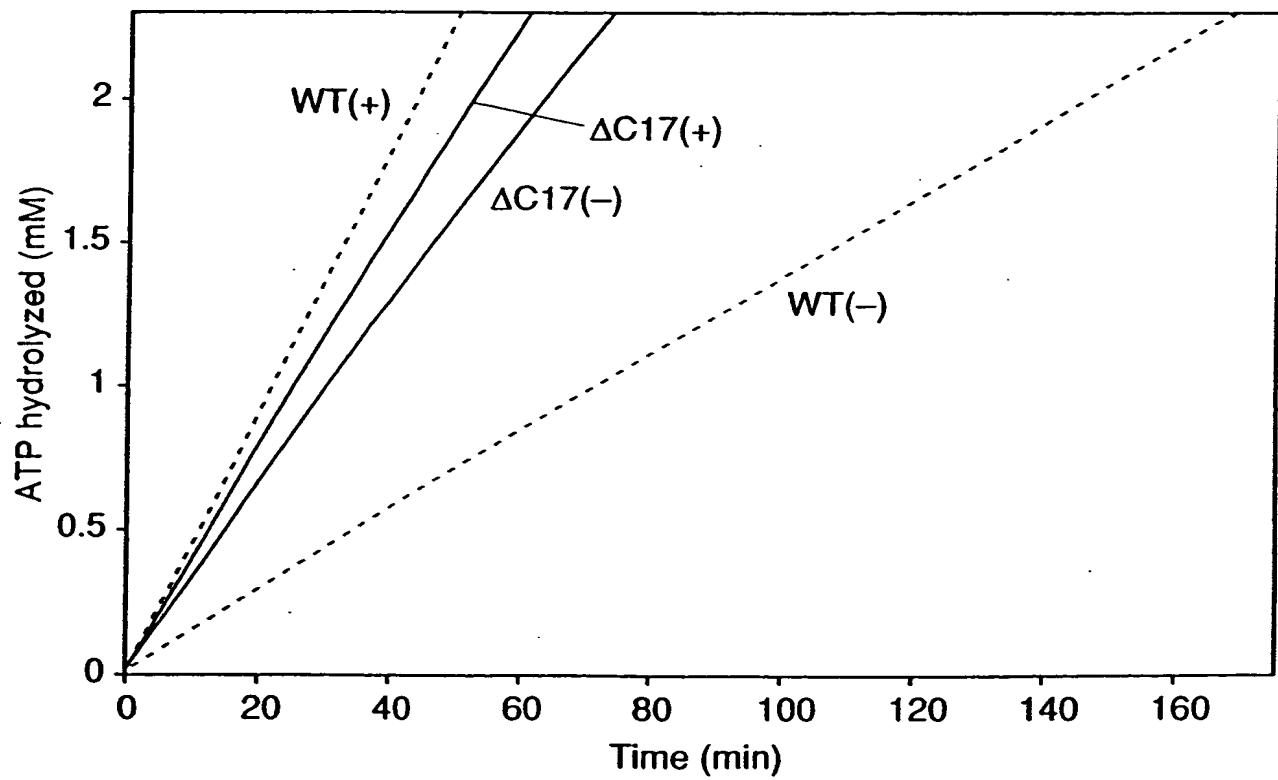


FIG 5

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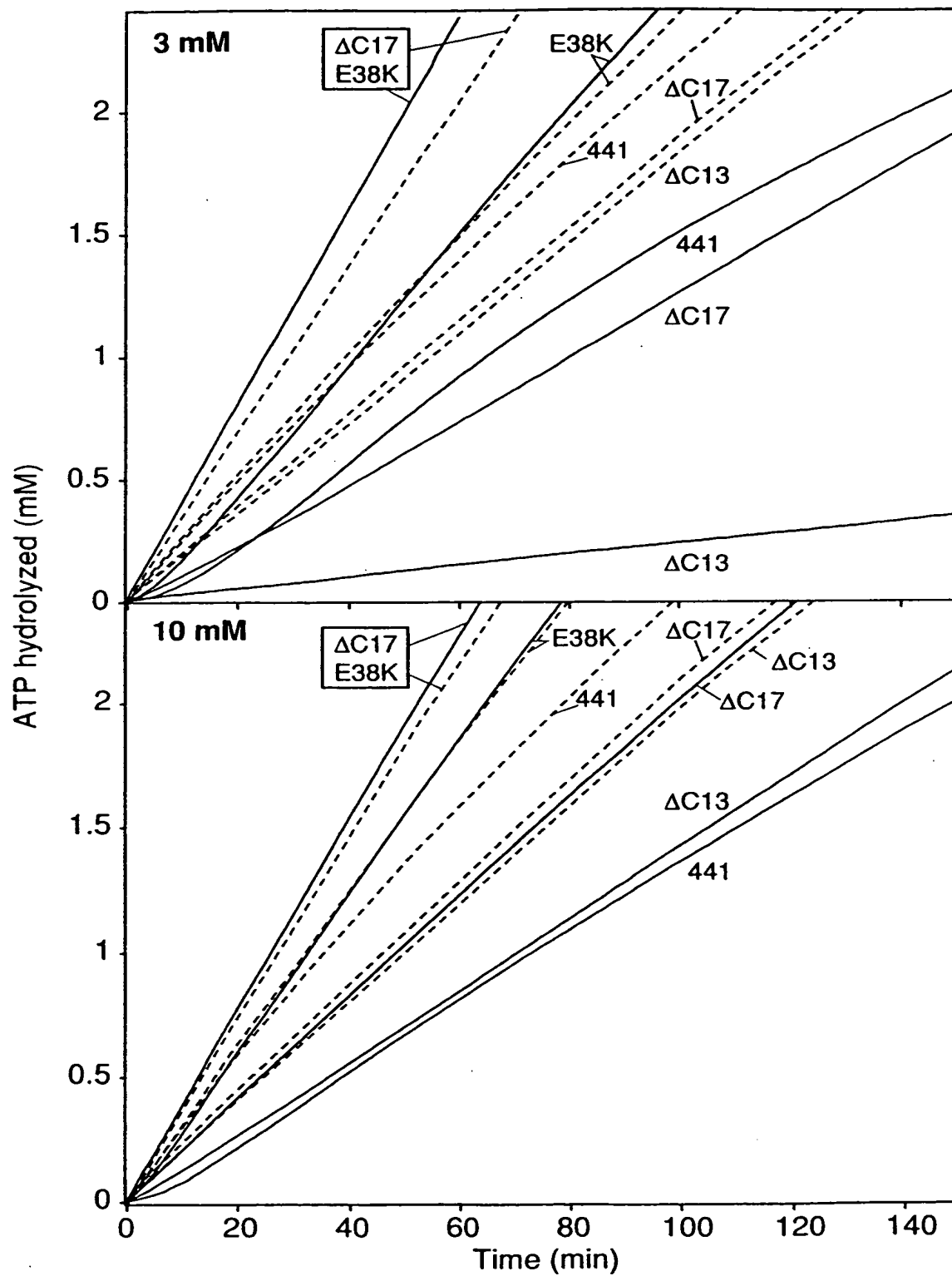


FIG 6

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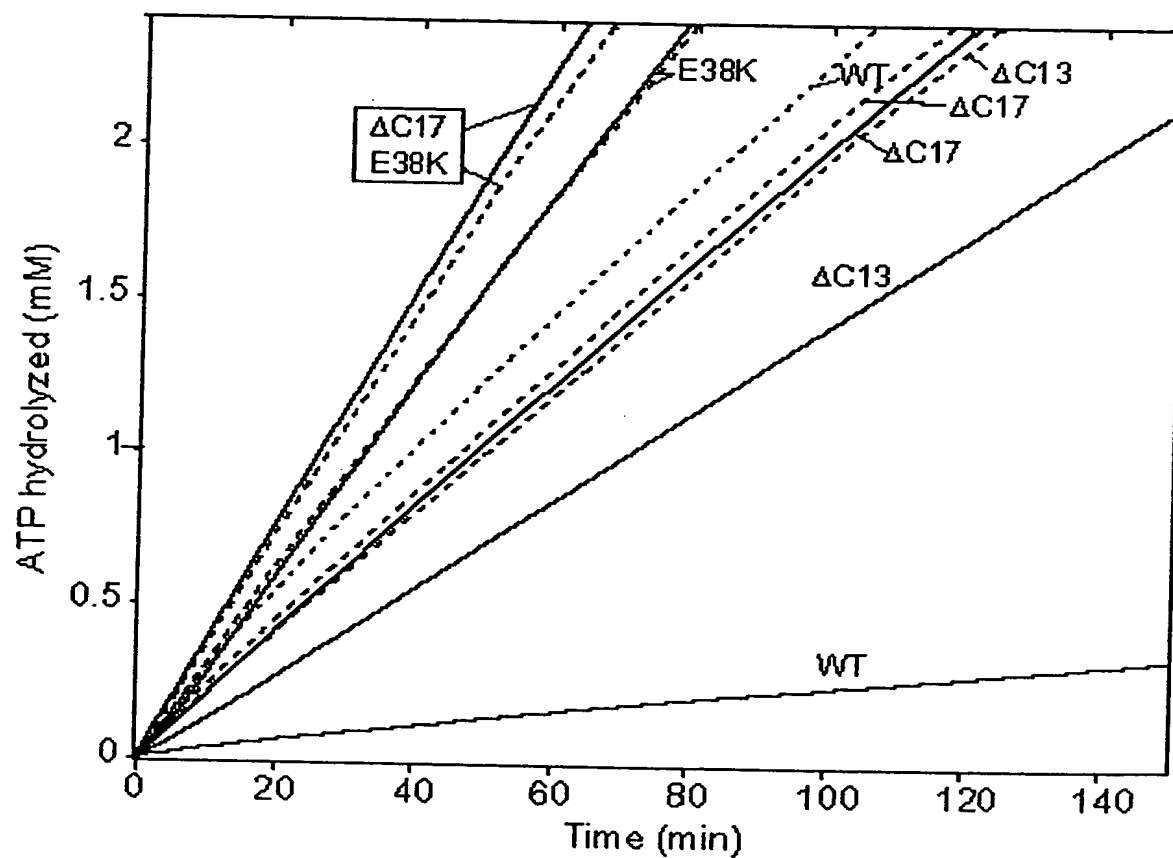


FIG 7

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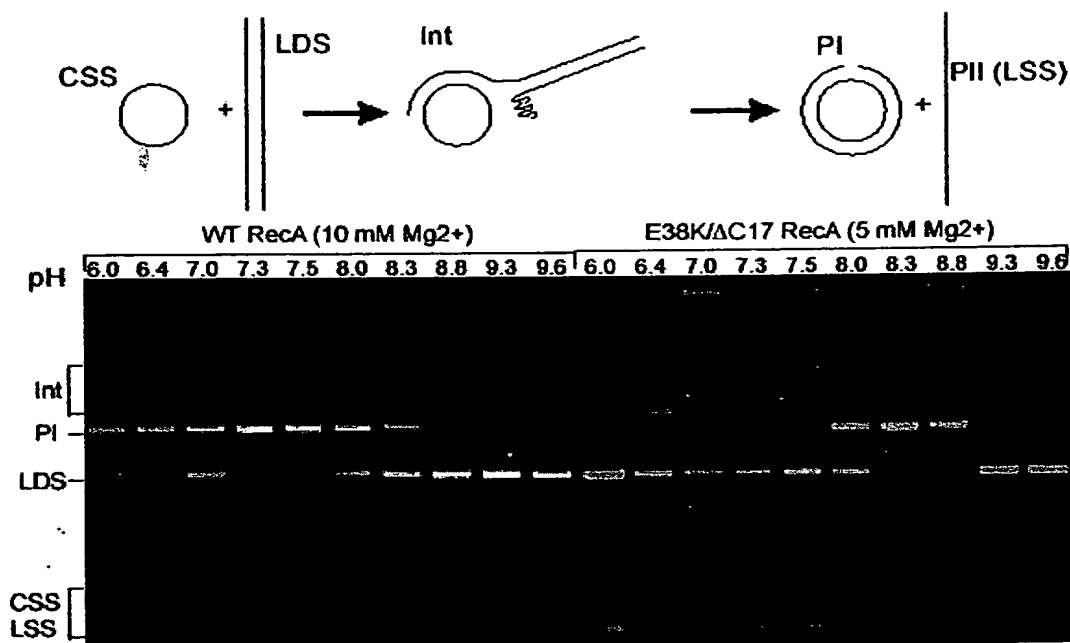


FIG 8

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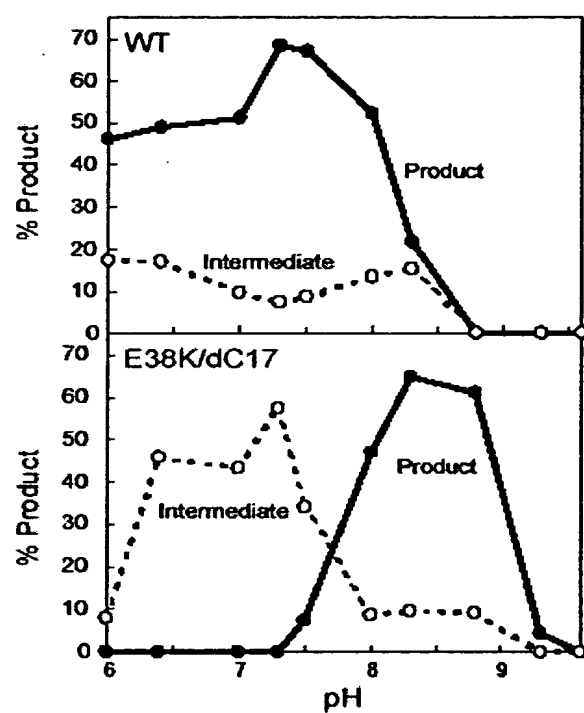


FIG 9

Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger
Application No.:
Docket Number: 960296.99501

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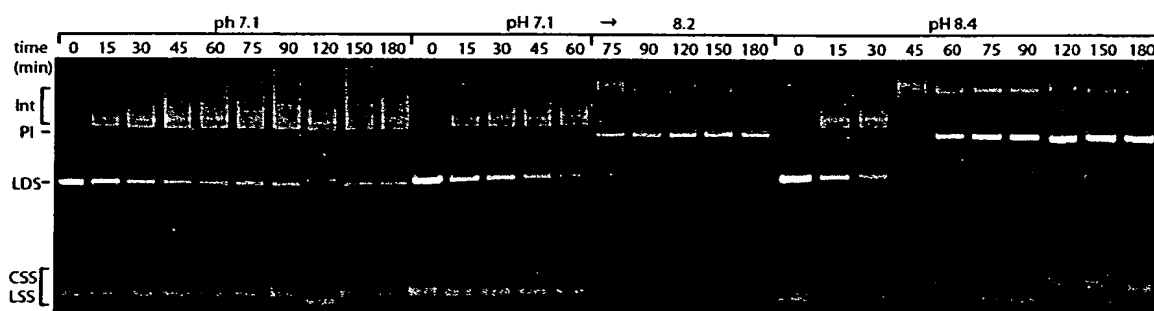


FIG 10

Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger
Application No.:
Docket Number: 960296.99501

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AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVET ISTGSLSLDI
ALGAGGLPMG RIVEIYGPES SGKTTTLQV IAAAQREGKT CAFIDAEHAL
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKV
KIAAPFKQAE FQILYEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG
QGKANATAWL KDNPETAKEI EKKVRELLLS NPNSTP

FIG 11

Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger
Application No.:
Docket Number: 960296.99501

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101 GTTCAATGGA TGTGGAAACC ATCTCTACCG GTTCGCTTTC ACTGGATATC
151 GCGCTTGGGG CAGGTGGTCT GCCGATGGGC CGTATCGTCG AGATCTACGG
201 ACCGGAATCT TCCGGTAAAA CCACGCTGAC GCTGCAGGTG ATCGCCGCAG
251 CGCAGCGTGA AGGTAAAACC TGTGCGTTTA TCGATGCTGA ACACGCGCTG
301 GACCCAATCT ACGCACGTAA ACTGGGCGTC GATATCGACA ACCTGCTGTG
351 CTCCCAGCCG GACACCGGCG AGCAGGCACT GGAAATCTGT GACGCCCTGG
401 CGCGTTCTGG CGCAGTAGAC GTTATCGTCG TTGACTCCGT GGCGGCACTG
451 ACGCCGAAAG CGGAAATCGA AGGCGAAATC GGCGACTCTC ACATGGGCCT
501 TGCGGCACGT ATGATGAGCC AGGCGATGCG TAAGCTGGCG GGTAACCTGA
551 AGCAGTCCAA CACGCTGCTG ATCTTCATCA ACCAGATCCG TATGAAAATT
601 GGTGTGATGT TCGGTAACCC GGAAACCACT ACCGGTGGTA ACGCGCTGAA
651 ATTCTACGCC TCTGTTCGTC TCGACATCCG TCGTATCGGC GCGGTGAAAG
701 AGGGCGAAAA CGTGGTGGGT AGCGAAACCC GCGTGAAAGT GGTGAAGAAC
751 AAAATCGCTG CGCCGTTTAA ACAGGCTGAA TTCCAGATCC TCTACGGCGA
801 AGGTATCAAC TTCTACGGCG AACTGGTTGA CCTGGGCGTA AAAGAGAAGC
851 TGATCGAGAA AGCAGGCGCG TGGTACAGCT ACAAAGGTGA GAAGATCGGT
901 CAGGGTAAAG CGAATGCGAC TGCCTGGCTG AAAGATAACC CGGAAACCGC
951 GAAAGAGATC GAGAAGAAAG TACGTGAGTT GCTGCTGAGC AACCCGAAC
1001 CAACGCCGTA A
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FIG 12

Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger
Application No.:
Docket Number: 960296.99501

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AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVKT ISTGSLSLDI
ALGAGGLPMG RIVEIYGPES SGKTTTLQV IAAQREGKT CAFIDAEHAL
DPIYARKLGV DIDNLLCSQP DTGEQALEIC DALARSGAVD VIVVDSVAAL
TPKAEIEGEI GDSHMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVK
KIAAPFKQAE FQILYEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG
QGKANATAWL KDNPETAKEI EKKVRELLS NPNSTP*

FIG 13

Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger
Application No.:
Docket Number: 960296.99501

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1  ATGGCTATCG ACGAAAACAA ACAGAAAGCG TTGGCGGCAG CACTGGGCCA
51  GATTGAGAAA CAATTTGGTA AAGGCTCCAT CATGCGCCTG GGTGAAGACC
101 GTTCCATGGA TGTGAAAACC ATCTCTACCG GTTCGCTTTC ACTGGATATC
151 GCGCTTGGGG CAGGTGGTCT GCCGATGGGC CGTATCGTCG AGATCTACGG
201 ACCGGAATCT TCCGGTAAAA CCACGCTGAC GCTGCAGGTG ATCGCCGCAG
251 CGCAGCGTGA AGGTAAAACC TGTGCGTTTA TCGATGCTGA ACACGCGCTG
301 GACCCAATCT ACGCACGTAA ACTGGGCGTC GATATCGACA ACCTGCTGTG
351 CTCCCAGCCG GACACCGGCG AGCAGGCACT GGAAATCTGT GACGCCCTGG
401 CGCGTTCTGG CGCAGTAGAC GTTATCGTCG TTGACTCCGT GGCGGCACTG
451 ACGCCGAAAG CGGAAATCGA AGGCGAAATC GGCGACTCTC ACATGGGCCT
501 TCGGCGACGT ATGATGAGCC AGGCGATGCG TAAGCTGGCG GGTAACCTGA
551 AGCAGTCCAA CACGCTGCTG ATCTTCATCA ACCAGATCCG TATGAAAATT
601 GGTGTGATGT TCGGTAACCC GGAAACCACT ACCGGTGGTA ACGCGCTGAA
651 ATTCTACGCC TCTGTTCGTC TCGACATCCG TCGTATCGGC GCGGTGAAAG
701 AGGGCGAAAA CGTGGTGGGT AGCGAAACCC GCGTGAAAGT GGTGAAGAAC
751 AAAATCGCTG CGCCGTTTAA ACAGGCTGAA TTCCAGATCC TCTACGGCGA
801 AGGTATCAAC TTCTACGGCG AACTGGTTGA CCTGGGCGTA AAAGAGAAGC
851 TGATCGAGAA AGCAGGCGCG TGGTACAGCT ACAAAGGTGA GAAGATCGGT
901 CAGGGTAAAG CGAATGCGAC TGCCTGGCTG AAAGATAACC CGGAAACCGC
951 GAAAGAGATC GAGAAGAAAG TACGTGAGTT GCTGCTGAGC AACCCGAAct
1001 CAACGCCGTA A
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FIG 14

Title: RecA MUTANTS
Inventor(s): Michael M. Cox/Shelley L. Lusetti/Aimee L. Egger
Application No.:
Docket Number: 960296.99501

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AIDENKQKA LAAALGQIEK QFGKGSIMRL GEDRSMDVET ISTGSLSLDI
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TPKAEIEGEI GDSTMGLAAR MMSQAMRKLA GNLKQSNTLL IFINQIRMKI
GVMFGNPETT TGGNALKFYA SVRLDIRRIG AVKEGENVVG SETRVKVVKV
KIAAPFKQAE FQILYEGIN FYGELVDLGV KEKLIEKAGA WYSYKGEKIG
QGKANATAWL KDNPETAKEI EKKVRELLLS NPNSTPDFSV DDSEGVAETN EDF

FIG 15